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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORN	EY DOCKET NO.	CONFIRMATION NO.		
10/813,269 03/31/2004		Lawrence Shah		A8700	5356			
23373	7590	07/13/2006			EXAMINER			
SUGHRUI				NGUYEN, DUNG T				
2100 PENN SUITE 800	SYLVAN	NIA AVENUE, N.W.	, A	RT UNIT	PAPER NUMBER			
WASHING	WASHINGTON, DC 20037					2828		
				DATE MAILED: 07/13/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

		Α	pplication No.	Applicant(s)						
Office Action Summary			0/813,269	SHAH ET AL						
			xaminer	Art Unit	-					
		D	ung (Michael) T. Nguyen	2828						
Period fo	The MAILING DATE of this communica or Reply	ation appear	rs on the cover sheet with the c	orrespondence ad	ldress					
A SH WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAI assions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commun or period for reply is specified above, the maximum stature to reply within the set or extended period for reply will reply received by the Office later than three months after the part of the provision of the p	LING DATE 37 CFR 1.136(a) ication. ory period will al I, by statute, cau	E OF THIS COMMUNICATION In no event, however, may a reply be time pply and will expire SIX (6) MONTHS from use the application to become ABANDONE	I. sely filed the mailing date of this c (35 U.S.C. § 133).						
Status										
1)[X]	Responsive to communication(s) filed	on 13 Anril	2006							
•	Responsive to communication(s) filed on <u>13 April 2006</u> . This action is FINAL. 2b)⊠ This action is non-final.									
'=										
-/-	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
Dispositi	on of Claims									
4)🛛	4)⊠ Claim(s) <u>1-31 and 48-79</u> is/are pending in the application.									
	4a) Of the above claim(s) <u>32-47 and 80-116</u> is/are withdrawn from consideration.									
5)	Claim(s) is/are allowed.									
6)🛛	Claim(s) <u>1-31 and 48-79</u> is/are rejected.									
7)										
8)□	Claim(s) are subject to restriction	on and/or el	ection requirement.							
Applicati	on Papers									
9)	The specification is objected to by the I	Examiner.								
10)🛛	The drawing(s) filed on 31 March 2004	is/are: a)∑	☑ accepted or b)☐ objected to	by the Examine	r.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
	Replacement drawing sheet(s) including the	e correction	is required if the drawing(s) is obj	ected to. See 37 Cl	FR 1.121(d).					
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority ι	ınder 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 										
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO nation Disclosure Statement(s) (PTO-1449 or PT r No(s)/Mail Date <u>とは</u> りんり、のりんまだ。	O/SB/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te	O-152)					

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DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Group I (claims 1-31 and 48-79) in the reply filed on 04/13/06 is acknowledged. The traversal is on the ground(s) that there is no justification for considering polarization monitoring as being separate and distinct from the Group I. This is not found persuasive because the fields of search for "polarization monitoring" and "monitoring the wavelength, pulsewidth and repetition rate" in Group I are NOT coexistence. Also, the strategies for doing text searching are different. Thus, separate searches are required.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-3, 5-8, 11-18, 21-24, 27-31, 48-51, 53-56, 59-66, 69-72, and 75-79 are rejected under 35 U.S.C. 102(a) as being anticipated by Erbert et al. (2003/0189959).

With respect to claims 1-3, 11-18, 27-31, 48-50, 59-66, and 75-79, Erbert et al. show in Fig.1 an apparatus for generating optical pulses, wherein each pulse may have individualized characteristics, the apparatus comprising:

laser means 1 (fiber amplifier, stretcher, and compressor in para.0015 and 0024) for generating the bursts of composite pulses,

control means 6 that controls the laser means; and

beam manipulation means (para 0015, 0028, and 0030) for monitoring the wavelength, pulsewidth and variable repetition rate characteristics of the pulses comprising the composite pulse bursts and generating feedback data for the control means (para. 0028) for pulse wavelength, pulsewidth and repetition rate control.

With respect to claims 5-6, 21-22, 53-54, and 69-70, para.0024 discloses means for converting the fundamental frequency (it is understood that a parametric oscillator (i.e., a non linear material) characteristic is used to convert the fundamental frequency signal into higher order harmonic signal).

With respect to claims 7, 23, 55, and 71, Fig. 1 discloses the controller 6.

With respect to claims 8, 24, 56, and 72, para 0030 discloses a spectrometer.

With respect to claim 51, it is inherent that there must be a photodiode to measure a repetition rate because para.0028 discloses the controlled computer with feedback loop to maintain the right rep. rate for the laser system.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4, 19-20, 52, and 67-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Erbert et al. (2003/0189959) in view of Dantus et al. (2006/00564468).

Erbert et al. disclose all limitations of the claims, a power meter (para.0019), and it is inherent that there must be a photodiode to measure a repetition rate because para.0028 discloses the controlled computer with feedback loop to maintain the right rep. rate for the laser system but fail to disclose the gating device.

Dantus et al. teach the gating device (para.0131).

it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Erbert et al. what is taught by Dantus et al. to characterize the pulsewidth.

Claims 9, 25, 57, and 73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Erbert et al. (2003/0189959) in view of DeSimone (5933274).

Erbert et al. disclose all limitations of the claims except for the telescope and steering optics.

DeSimone teaches in Fig.1 and col.3, lines 14-24 the telescope and steering optics.

it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Erbert et al. what is taught by DeSimone to allow accurate beam alignment to a cross hair mark on the target and to allow the user to control the plane of ablation (col.3, lines 18-24).

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Claims 10, 25, 58, and 74 are rejected under 35 U.S.C. 103(a) as being unpatentable over Erbert et al. (2003/0189959) in view of DeSimone (5933274) and further in view of Palese (2002/0131164).

Erbert et al. and DeSimone disclose all limitations of the claims except for the beam profiler that monitors characteristics of laser pulses and generates feedback for the control means.

Palese teaches in Fig.4 the beam profiler 326 (as stated in the instant application on page 24, line 3-4, the CCD camera works as a beam profiler) that monitors characteristics of laser pulses and generates feedback for the control means 328.

it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Erbert et al. and DeSimone what is taught by Palese in order to monitor the laser pulse characteristic and control the laser pulse characteristic.

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

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Michael Dung Nguyen

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6/29/06